Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at http://about.jstor.org/participate-jstor/individuals/early-journal-content.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

ORGANIZED 1878 INCORPORATED 1891

APRIL
1922

VOLUME XLI NO. 2

# TRANSACTIONS

OF THE

# AMERICAN MICROSCOPICAL SOCIETY

PUBLISHED QUARTERLY BY THE
AMERICAN MICROSCOPICAL SOCIETY
MENASHA, WISCONSIN
ANNUAL SUBSCRIPTION $3.00 SINGLE COPY $1.00
DOUBLE NUMBERS $2.00

## OFFICERS

*President:* N. A. COBB ..... Washington, D. C.
*First Vice-President:* E. M. GILBERT ..... Madison, Wis.
*Second Vice-President:* Z. P. METCALF ..... Raleigh, N. C.
*Secretary:* PAUL S. WELCH ..... Ann Arbor, Mich.
*Treasurer:* WILLIAM F. HENDERSON ..... Pittsburg, Pa.
*Custodian:* MAGNUS PFLAUM ..... Philadelphia, Pa.

---

## ELECTIVE MEMBERS OF THE EXECUTIVE COMMITTEE

B. H. RANSOM ..... Washington, D. C.
CHANCEY JUDAY ..... Madison, Wis.
GEO. R. LA RUE ..... Ann Arbor, Mich.

---

## EX-OFFICIO MEMBERS OF THE EXECUTIVE COMMITTEE

Past Presidents Still Retaining Membership in the Society

SIMON HENRY GAGE, B.S., of Ithaca, N. Y.,
at Ithaca, N. Y., 1895 and 1906

A. CLIFFORD MERCER, M.D., F.R.M.S., of Syracuse, N. Y.,
at Pittsburgh, Pa., 1896

C. H. EIGENMANN, Ph.D., of Bloomington, Ind.,
at Denver, Colo., 1901

E. A. BIRGE, LL.D., of Madison, Wis.,
at Winona Lake, Ind., 1903

HENRY B. WARD, A.M., Ph.D., of Urbana, Ill.,
at Sandusky, Ohio, 1905

HERBERT OSBORN, M.S., of Columbus, Ohio,
at Minneapolis, Minn., 1910

F. D. HEALD, Ph.D., of Pullman, Wash.,
at Cleveland, Ohio, 1912

CHARLES BROOKOVER, Ph.D., of Louisville, Ky.,
at Philadelphia, Pa., 1914

CHARLES A. KOFOID, Ph.D., of Berkeley, Calif.,
at Columbus, Ohio, 1915

M. F. GUYER, Ph.D., of Madison, Wis.,
at Pittsburgh, Pa., 1917

L. E. GRIFFIN, Ph.D., of Portland, Ore.,
at Baltimore, Md., 1918

T. W. GALLOWAY, of New York, N. Y.,
at St. Louis, Mo., 1920

FRANK SMITH, of Urbana, Ill.
at Chicago, Ill., 1921

The Society does not hold itself responsible for the opinions expressed by members in its published *Transactions* unless endorsed by special vote.

# TRANSACTIONS

OF THE

# American Microscopical Society

ORGANIZED 1878 INCORPORATED 1891

---

PUBLISHED QUARTERLY

BY THE SOCIETY

---

EDITED BY THE SECRETARY

PAUL S. WELCH

ANN ARBOR, MICHIGAN

---

VOLUME XLI

NUMBER TWO

---

Entered as Second-class Matter August 13, 1918, at the Post-office at Menasha, Wisconsin, under Act of March 3, 1879. Acceptance for mailing at the special rate of postage provided for in Section 1103, of the Act of October 3, 1917, authorized Oct. 21, 1918

---

The Collegiate Press
GEORGE BANTA PUBLISHING COMPANY
MENASHA, WISCONSIN
1922

TABLE OF CONTENTS

For Volume XLI, Number 2, April, 1922

On the Protozoa Parasitic in Frogs, with thirty-six figures, by R. Kudo ..... 59

A New Suctorian from Woods Hole, with one plate, by F. M. Root ..... 77

DEPARTMENT OF SUMMARIES

Ten Years of Heredity, with eight figures, by A. Franklin Shull ..... 82

DEPARTMENT OF METHODS, REVIEWS, ABSTRACTS, AND BRIEFER ARTICLES

A New Micro-slip, with one figure, by F. J. Myers ..... 101

Killing, Staining and Mounting Parasitic Nematodes, by H. G. May ..... 103

A New Locality for Spongilla wagneri Potts, by Frank Smith ..... 106

Some Interesting Studies on Spider Anatomy, with one plate, by E. W. Roberts .. 107

Annual Report of the Treasurer ..... 110

Custodian's Report for the Year 1921 ..... 111